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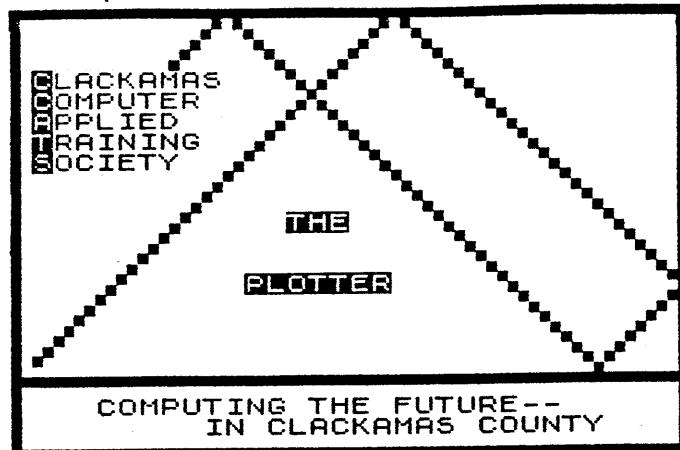
THE PLOTTER

**CLACKAMAS COMPUTER APPLIED
TRAINING SOCIETY
NEWS LETTER**

VOLUME 10 ** NUMBER 12

 December 1992

December 1992



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| EDITED BY: | DICK WAGNER |
| CHAIRMAN: | JACK ARMSTRONG |
| V/CHAIRMAN: | BILL DUNLOP |
| SECRETARY: | DICK WAGNER |
| TREASURER: | ROD GOWEN |
| PR OFFICER: | BOB EVANS |
| LIBRARIANS: | BILL DUNLOP ALICE DUNLOP |

MEETING

The DECEMBER meeting will be:

on: SAT., DECEMBER 12, 1992

MEETING open at: 1:30 P.M.
in: COMMUNITY ROOM
FAR WEST FEDERAL BANK
OREGON CITY SHOPPING CENTER

WHAT YOU WILL FIND IN THIS ISSUE:

| | | |
|--------------------|-----------|---|
| MEETING | PAGE | 1 |
| MINUTES | PAGE | 1 |
| | CONTINUED | 2 |
| BITS & BYTES | PAGE | 2 |
| | CONTINUED | 3 |
| MORE ON BOOKWORM | PAGE | 3 |
| WHAT MPH? | PAGE | 3 |
| | CONTINUED | 4 |
| ADVICE 2068 | PAGE | 4 |
| WANTED AD | PAGE | 4 |
| 1993 CALENDAR | PAGE | 5 |
| RMG AD | PAGE | 6 |
| ADVICE TS 1000 | PAGE | 7 |
| SEASON'S GREETINGS | PAGE | 8 |
| NOTICE | PAGE | 8 |
| SUBSCRIPTION/ADS | PAGE | 8 |

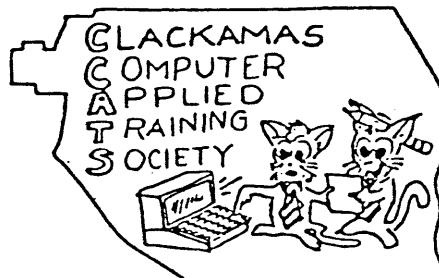
NOVEMBER MEETING

The meeting was called to order at 7:40 PM by Chairman Jack Armstrong at Far-West Federal Bank. There were 8 members in attendance.

Discussion about the Bookworm program in the October issue was interesting and quite verbal. It centered around the verbage of "first page" and "last page" definitions. Could the bookworm eat the first page without eating page 2? etc. Jack thought that Marilyn vos Savant should have defined the problem better. However, the question was not hers but from a reader.

Dick Wagner is making program copies that have graphics in them. Z Talker program to be printed has graphics plus Z Talker. The question was should Z Talker be included as it has to have machine code in order for Z Talker to work? It was decided that a REM statement could be added to explain.

>>>



Continued from page 1

Rod asked members to be in attendance at a work session on November 28 for futher book work. Some discussion followed about having work meetings on Sunday afternoons. We decided to continue with Saturday afternoon December 12 for the next meeting. Sunday meetings will depend upon concensus of members.

After discussion on varied topics the meeting was adjounded at 8:45 PM.

Dick Wagner
Secretary

BITS & BYTES

by: Rod Gowen

In this column I try to bring you the latest and complete information and news available to me regarding the world of TS computing. One way that I can accomplish this is if I have the support of you, the reader, in collecting news that may be of interest to other readers. If you have any news, rumors or other tidbits of information that fits this description, why not send it along? We will be watching!

TO ELECT OR NOT TO ELECT...

It's December again and this is our "traditional" month to elect our leaders for the coming year. The question now comes to mind: Do we have an election or not? If memory serves me correctly, last year we more or less asked for volunteers to fill the offices. As in years past, I will gladly continue to act as treasurer and will do my bit in regard to the library and the newsletter. I am sure that our librarians will not mind continuing as they are. I will fill in as vice-chairman when needed as well. That leaves just the secretary and chairman's posts open. Any volunteers? Let's be sure to talk about it on December 12th, our next regular meeting date!

PASTE-UP DATES SET!-----

We will have 2 or 3 more paste-up sessions for The Best Of The Plotter before the end of the year. We are

scheduled in for Saturday, November 28th, from 1:30 to 5:30PM and on Saturday December 12th at the same times as of now. If we agree to meet between these two dates, we can make use of the meeting hall at Bob Evan's mobile home court on the 6th or 7th of December. We need to talk about this at the November 28th session. This newsletter will most likely reach you after the meeting on the 28th so we may already have it decided.

A CHANGE IN MEETING DAY? -----

At the November meeting there was discussion of changing our meeting day and time to one that would be more suitable to more members. We are not "locked" into the 2nd Friday if we want to change. It seemed as though the most acceptable time would be the 3rd Sunday from 1-4 or so. I am all for this time slot. It may even help bring in some new members who could not make the Friday night meetings. Let's talk about it more in upcoming meetings until there is a final decision. When it is finally set we can have our PR man send out a few letters where appropriate to see if we can garner some new interest in what we are here for.

WHERE DOES THE TIME GO?---

I find that I have less and less time to do more and more work! I have tried to keep abreast of the TS world of news via the various newsletters and letters that I receive each month, but lately it seems as though I cannot find the time to read them all! Not that there are so many of them, just that I seem to have other things taking priority over my time. I find myself getting a call from Dick asking if I will have anything for the Plotter and I haven't even thought about it yet! I make a mad dash for the keyboard and grind out this column and sometimes one or two more in one evening and let out a deep sigh of relief when it is "done for another month"! I only wish that a few more of our "busy" menders would take an hour or even 30 minutes a month to sit down at the keyboard and type something in that Dick could publish! REALLY! IT IS NOT THAT HARD!! Just a few

paragraphs. A few lines even. I would sure make it easier on us poor rushed, old, mostly blind writers out here!

RMG ENDING A BAD YEAR!--

If the TS business continues at the rate it is going right now, RMG would be able to feed a couple of parakeets on the profits in 1993! TS sales are down 65% from the same period in 1991. I guess the end may be in sight if something doesn't happen to turn it around soon. I new that it would not last forever, nothing does, but I had thought that the interest would stay alive for a couple more years. With all of the new interest that has been showing up in the form of letters, requests for information and good articles in various newsletters and magazines, I had thought that there might be a small resurgence in the TS market. If you are out there reading this and want the TS support to survive the next year, you had better start to support it in any and all ways that you can! BUY! WRITE! SUBSCRIBE! CONTRIBUTE! JOIN! SHARE! Be aware that there are dealers out here and if a software title is still on the market for sale, DO NOT COPY OR PASS IT ON TO A FRIEND! You will only succeed in killing the TS market faster and for good! It is legal to buy used software, it is not legal to copy and hand out copyrighted software!

That's it for now!

See you next time. . .

MORE ON BOOKWORM

Dick Wagner

Our program critic Jack Armstrong finally started up his 2068 and had some fun with my program, BOOKWORM, that was presented in last month's issue of The Plotter. He has been spending his spare time on a good buy of a MSDOS compatable computer with umpteen programs and other material left in the hard drive by the previous owner.

Having a color monitor for his 2068 he added a color line:

45 BORDER: INK : PAPER : CLS

He improved the programming with:
80 IF p <> 302 THEN CLS: GO TO 50
The second trap is not required

He added ends to the bookshelf with:

265 PLOT 30,110: DRAW 0,26: PLOT
88,110: DRAW 0,25

290 PRINT AT 3,5;12345

DELETE 325 and 330, and add 330,
340,350, and 360.

330 PAUSE 15

340 NEXT X

350 INVERSE 0

360 REM Don't forget to turn the
INVERSE OFF

WHAT MPH?

Dick Wagner

This program will be a head scratcher for some of our readers. Simply, it wants to know how fast you will have to travel to work if 60 MPH puts you there too early and 30 MPH puts you there too late. The one stipulation is that the amount of time you are early is equal to the amount of time you are late.

The program keeps repeating until you give the correct answer so use STOP if you give up. You can access the solution by keying in "GOTO 170.

Users working with a TS 1000 will need to change three lines, 110, 120, and 150. The change is the second CODE which should be "-".

You can assume any distance to travel to work if you so desire.

40 REM TS 1000 users will need to change the second CODE in lines 110, 120, and 150 to "-".

50 REM Program by Dick Wagner,
NOV 1992

60 REM Consider the average speed in MPH for more realistic answer, or theoretical constant speed from start to destination.

80 PRINT "When you go to work at 60 MPH you arrive early."

85 PRINT "When you go to work at 30 MPH you arrive late."

90 PRINT "The amount of time y

ou are early is also equal to the amount of time you are late."

95 PRINT "How fast should you go to get to work on time? Use average speed or constant speed.":

PRINT

100 INPUT "MY GUESS, ESTIMATE,
OR CALCULATION IS "; MPH
;" MPH"

110 IF MPH<>INT (CODE "Y"-CODE "1") THEN PRINT MPH;" MPH IS WRONG, TRY AGAIN": GO TO 100

120 IF MPH=INT (CODE "Y"-CODE "1") THEN GO TO 150

150 PRINT "YOU ARE CORRECT WITH
"; INT (CODE "Y"-CODE "1"); " MPH
"

160 PAUSE 150: CLS

170 PRINT "DO YOU WANT THE CALCULATION FOR THE ANSWER TO BE SHOWN? Y OR N.": INPUT A\$

180 IF A\$="Y" OR A\$="y" THEN GO TO 200

190 IF A\$="N" OR A\$="n" THEN STOP

200 PRINT "DISTANCE = MPH*TIME WHERE MPH = MILES/HOUR AND TIME IS IN HOURS"

210 PRINT "ASSUME A TRAVEL DISTANCE OF 60 MILES."

220 PRINT "FOR 60 MPH, THE TIME TO DRIVE IS 1 HR."

230 PRINT : PRINT "FOR 30 MPH, THE TIME TO DRIVE IS 2 HR."

240 PRINT : PRINT "THE DIFFERENCE IN TIME IS 1 HR. SO THE NEW TIME WILL BE 1/2 HR. GREATER FROM 60 MPH AND 1/2 HR. LESS FROM 30 MPH."

250 PRINT : PRINT "FOR 60 MPH BASE: MPH=60/(1 HR +1/2 HR)"

260 PRINT "THE SOLUTION IS NEW MPH = 40"

270 PRINT : PRINT "FOR 30 MPH BASE: MPH=60/(2 HR -1/2 HR)"

280 PRINT "THE SOLUTION IS NEW MPH = 40"

300 PRINT : PRINT "YOU MIGHT TRY OTHER DRIVING SPEEDS AND THE DISTANCE NEED NOT BE COMPARED TO ONE OF THE SPEEDS, BUT THE SOLUTION IS EASIER IF YOU DO."

ADVICE, 2068

Dick Wagner

This 2068 program features a bit of wisdom from Charles F. Kettering, long time inventor at General Motors. The character codes in the DATA statements produces the text. Three READ commands are used to format the text.

It should be noted that "n" for each READ loop must equal the length of each statement.

10 REM type this program and get some sound advice

20 REM DICK F. WAGNER, NOV. 19
92

100 FOR n=1 TO 86

110 READ A: PRINT CHR\$ A;

120 NEXT n

125 PRINT : PRINT

130 FOR n=1 TO 26

140 READ B: PRINT CHR\$ B;

150 NEXT n

160 PRINT : PRINT : PRINT

170 FOR n=1 TO 20

180 READ C: PRINT CHR\$ C;

190 NEXT n

300 DATA 77,121,32,105,110,116,

101,114,101,115,116,32,105,115,3
2,105,110,32,116,104,101,32,102,

117,116,117,114,101,32,32,32,32

310 DATA 98,101,99,97,117,115,1
01,32,73,39,109,32,103,111,105,1

10,103,32,116,111,32,115,112,101
,110,100,32,116,104,101,32,32,11

4,101,115,116

320 DATA 32,111,102,32,109,121,
32,108,105,102,101,32,116,104,10

1,114,101,46

330 DATA 32,32,32,32,32,32,67,1
04,97,114,108,101,115,32,70,46,3

2,75,101,116,116,101,114,105,110

,103

340 DATA 84,72,69,32,67,72,79,7
3,67,69,32,73,83,32,89,79,85,82,
83,46

: WANTED :
: Wafers for A&J 2068 Microdrive, :
: ARTWORX, and your list of 2068 :
: items you want to sell. :
: Mike Stephens :
: 312 Newton Avenue :
: Oakland, CA 94606-1320 :

1993

CCATS / THE PLOTTER

| January | | | | | | |
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| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

| February | | | | | | |
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January

1 New Year's Day
18 Martin Luther King, Jr.

February

12 Lincoln's Birthday
14 Valentine's Day
15 President's Day
22 Washington's Birthday
24 Ash Wednesday

March

17 St. Patrick's
20 Spring begins

April

1 April Fools Day
4 Daylight Savings
Palm Sunday
6 Passover
9 Good Friday
11 Easter

May

9 Mother's Day
15 Armed Forces Day
31 Memorial Day (Observed)

June

14 Flag Day
20 Father's Day
21 Summer begins

July

1 Dominion Day (Canada)
4 Independence Day

September

6 Labor Day
16 Rosh Hashanah
22 Autumn begins
25 Yom Kippur

October

11 Columbus Day (Observed)
31 Daylight Savings
Halloween

November

2 Election Day
11 Veterans Day
25 Thanksgiving

December

9 Hanukkah
21 Winter begins
25 Christmas

| July | | | | | | |
|------|----|----|----|----|----|----|
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| August | | | | | | |
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| September | | | | | | |
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| October | | | | | | |
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| November | | | | | | |
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| December | | | | | | |
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| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |



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ADVICE TS1000

Dick Wagner

This program produces the same text for the TS 1000 that the program "ADVICE 2068" does. The data code is different because of the difference between the 2 computer types. Luckily, the character codes for the TS 1000 are exactly 27 digits less than for the 2068. Comparing code tables, numbers are 20 digits less than the 2068 but none are used here.

The data is in 5 strings, about one for each text line. As the data is in string form, the separating commas require special treatment as used in the program. This method requires the program to jump to line 200 each time a comma is read.

Line 205 simply converts the text data strings to numeric form so line 210 can print it. To prove this add a PRINT F; immediately after line 205

Considerable testing was required as the program development progressed, but I was working with my 2068 computer because I wished to do the hard copy on my large printer. The data didn't make sense except that spaces were question marks, and periods were 6s. My solution is in the article "READ TS 1000 ON A 2068".

The use of strings to input data, and change the data into numeric digits, is one of several ways of simulating READ & DATA such as is available on a 2068 computer.

FAST puts the program thru nicely but pressing the ENTRY key is required to show the display. Using SLOW displays the characters being printed on the screen. Take your pick by adding a fast or slow line to the program.

5 REM THIS TS 1000 PROGRAM READS STRINGS TO PRINT OUT A MESSAGE

```
10 LET A$="50,62,0,46,51,57,42  
,55,42,56,57,0,46,56,0,46,51,0,5  
7,45,42,0,43,58,57,58,55,42,"  
12 LET B$="0,0,0,0,39,42,40,38  
,58,56,42,0,46,0,38,50,0,44,52,4  
6,51,44,0,57,52,0,56,53,42,51,41  
,0,57,45,42,"  
14 LET C$="0,55,42,56,57,0,52,  
43,0,50,62,0,49,46,43,42,0,57,45  
,42,55,42,27,"  
16 LET D$="0,0,0,0,0,0,0,0,0,0  
,0,40,45,38,55,49,42,56,0,43,27,  
0,48,42,57,57,42,55,46,51,44,"  
18 LET E$="0,0,0,0,0,0,0,0,0,0  
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0  
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0  
,0,0,57,45,42,0,40,45,52,46,40,4  
2,0,46,56,0,62,52,58,55,56,27,"  
20 LET A$=A$+B$+C$+D$+E$  
120 LET M=1  
130 FOR N=1 TO LEN A$  
140 IF A$(N)=",," THEN GO SUB 20  
0  
150 NEXT N  
200 LET F$=A$(M TO N-1)  
205 LET F=VAL F$  
210 PRINT CHR$ F;  
220 LET M=N+1  
230 RETURN
```

GRAPHICS COURTESY OF DOTTY BUNDY

-NOTICE-



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MERRY CHRISTMAS AND A
HAPPY NEW YEAR FROM
THE CCATS

ALL AD COPY MUST BE IN BY
THE 10TH OF THE MONTH PRIOR
TO THE MONTH AD IS TO RUN.

- 8 -

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